

## Coast Guard, DOT

## § 34.50-10

(1) "A" for fires in ordinary combustible materials such as mattresses, piles of wood, shavings, canvas, etc., where the quenching and cooling effects of quantities of water, or solutions containing large percentages of water, are of first importance.

(2) "B" for fires in combustible or flammable liquids such as gasoline, lubricating oil, diesel oil, greases, etc., where a blanketing or smothering effect is essential.

(3) "C" for fires in electrical equipment where the use of non-conducting extinguishing agent is of first importance so that electrical shock is not experienced by the firefighter.

(c) The number designations for size will start with "I" for the smallest to "V" for the largest. Extinguishers which have a gross weight of 55 pounds or less when fully charged are considered portable. Extinguishers which have a gross weight of more than 55 pounds when fully charged are considered semiportable and shall be fitted with suitable hose and nozzle or other practicable means so that all portions of the space concerned may be reached. Examples of size graduations for some of the typical portable and semiportable extinguishers are set forth in Table 34.50-5(c).

TABLE 34.50-5(c)

Classification type (Size)	Soda-acid and water (Gallons)	Foam (Gallons)	Carbon dioxide (Pounds)	Dry chemical (Pounds)
A-II .....	2½	2½	.....	.....
B-I .....	.....	1¼	4	2
B-II .....	.....	2½	15	10
B-III .....	.....	12	35	20
B-IV .....	.....	20	50	30
B-V .....	.....	40	100	50
C-I .....	.....	.....	4	2

TABLE 34.50-10(A)—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS

Tank ships		Area	Tank barges	
Quantity and location	Classification (see § 34.50-5)		Classification (see § 34.50-5)	Quantity and location
		<i>Safety Areas</i>		
1 required .....	C-II .....	Wheelhouse and chartroom area. ..	.....	None required.
1 required in vicinity of exit	C-II¹ .....	Radio room .....	.....	None required.

TABLE 34.50-5(c)—Continued

Classification type (Size)	Soda-acid and water (Gallons)	Foam (Gallons)	Carbon dioxide (Pounds)	Dry chemical (Pounds)
CC-II .....	.....	.....	15	10

¹ For outside use, double the amount shall be carried.

## § 34.50-10 Location—TB/ALL.

(a) Approved portable and semi-portable extinguishers shall be installed in accordance with Table 34.50-10(a). The location of the equipment shall be such as in the opinion of the Officer in Charge, Marine Inspection, will be most convenient in case of emergency. Where special circumstances exist, not covered by Table 34.50-10(a), the Officer in Charge, Marine Inspection, may require such additional equipment as he deems necessary for the proper protection of the vessel.

(b) For additional portable extinguishers as a substitute for sand, see § 34.55-10.

(c) Semiportable extinguishers shall be located in the open so as to be readily seen.

(d) If portable extinguishers are not located in the open or behind glass so that they may be readily seen they may be placed in enclosures together with the fire hose, provided such enclosures are marked as required by § 35.40-25 of this subchapter.

(e) Portable extinguishers and their stations shall be numbered in accordance with § 34.40-25 of this subchapter.

(f) Hand portable or semiportable extinguishers which are required on their nameplates to be protected from freezing shall not be located where freezing temperatures may be expected.

TABLE 34.50-10(A)—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS—Continued

Tank ships		Area	Tank barges	
Quantity and location	Classification (see § 34.50–5)		Classification (see § 34.50–5)	Quantity and location
		Accommodation Areas		
1 required in each main passageway on each deck, conveniently located, and so that no room is more than 75 feet from an extinguisher.	A–II or B–II .....	Staterooms, toilet spaces, public spaces, offices, etc., and associated lockers, storerooms, and pantries..	A–II or B–II .....	1 required in vicinity of exit
		Service Areas		
1 required for each 2,500 square feet or fraction thereof, suitable for hazard involved.	B–II or C–II .....	Galleys .....	B–II or C–II .....	1 required, suitable for hazard involved.
1 required for each 2,500 square feet or fraction thereof, suitable for hazard involved.	A–II or B–II .....	Stores areas, including paint and lamp rooms.	.....	None required.
		Machinery Area <sup>2</sup>		
2 required <sup>3</sup> .....	B–II .....	Spaces containing oil fired boilers, either main or auxiliary, or any fuel oil units subject to the discharge pressure of the fuel oil service pump.	B–II .....	1 required. <sup>12</sup>
1 required .....	and	Spaces containing internal combustion or gas turbine propulsion machinery.	.....	None required.
1 required for each 1,000 B.H.P., but not less than 2 nor more than 6 <sup>5</sup> .	B–V <sup>4</sup> . B–II .....			
1 required <sup>6 7</sup> .....	and	Auxiliary spaces containing internal combustion or gas turbine units.	B–II .....	1 required in vicinity of exit. <sup>7 9 12</sup>
1 required in vicinity of exit <sup>7</sup>	B–III. B–II .....			
1 required in vicinity of exit <sup>8</sup>	C–II .....	Auxiliary spaces containing emergency generators.	.....	None required.
		Cargo Areas		
1 required in lower pump-room.	B.II .....	Pumprooms .....	B–II .....	1 required in vicinity of exit. <sup>9 12</sup>
None required .....	.....	Cargo tank area .....	B–II .....	2 required. <sup>10 12</sup>
			B–V .....	1 required. <sup>9 11</sup>

<sup>1</sup> Vessels not on an international voyage may substitute 2 C-I.

<sup>2</sup> A C-II shall be immediately available to the service generator and main switchboard areas, and further, a C-II shall be conveniently located not more than 50 feet walking distance from any point in all main machinery operating spaces. These extinguishers need *not* be in addition to other required extinguishers.

<sup>3</sup> Vessels of less than 1,000 gross tons require 1.

<sup>4</sup> Vessels of less than 1,000 gross tons may substitute 1 B-IV.

<sup>5</sup> Only 1 required for vessels under 65 feet in length.

<sup>6</sup> If oil burning donkey boiler fitted in space, the B-V previously required for the protection of the boiler may be substituted. Not required where a fixed carbon dioxide system is installed.

<sup>7</sup> Not required on vessels of less than 300 gross tons if fuel has a flashpoint higher than 110° F.

<sup>8</sup> Not required on vessels of less than 300 gross tons.

<sup>9</sup> Not required if fixed system installed.

<sup>10</sup> If no cargo pump on barge, only one B-II required.

<sup>11</sup> Manned barges of 100 gross tons and over only.

<sup>12</sup> Not required on unmanned barges except during transfer of cargo, or operation of barge machinery, or boilers. (See § 35.35-1(c) of this chapter.)

[CGFR 65-50, 30 FR 16694, Dec. 30, 1965, as amended by CGFR 70-143, 35 FR 19905, Dec. 30, 1970]